Figure S14. qRT-PCR analysis of WT, PXVE:NF-YA2 and P35S:NF-YA2 lines subjected to freezing.

(A) Expression profile of abiotic stress and a growth promoting markers genes in WT seedlings exposed to freezing conditions (-7 °C / 40 min). (B) Transcript quantification of NF-YA2 and EXL genes following estradiol treatment for 24 h and 7 days in PXVE:NF-YA2 and P35S:NF-YA2 lines exposed to freezing.

In (A) and (B) Seedlings were grown on solid media 0.1 X MS for eight days and then were transferred to 0.1 X MS+ β-estradiol (7 µM) for 24 h or 7 days prior freezing exposition. Total RNA was extracted before and after 40 min of treatment and transcript levels for NF-YA2, COR15B, RD29A, RD29B and EXL1 were determined by qRT-PCR; data are shown in a logarithmic scale. Expression level of ACT2 was used as internal reference. Values represent the means and error bars indicate the standard error (SE) of 3 independent amplification replicates.